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Ready for use  
Easily Applied

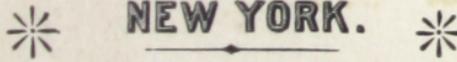
*H.W. Johns'*

ASBESTOS  
ROOFING

H.W. Johns Manufacturing Co

87 MAIDEN LANE,

NEW YORK.



NEW YORK, CHICAGO, PHILADELPHIA, LONDON.





H. W. JOHNS'

PATENT

# ASBESTOS ROOFING.

"Medal of the First Class" Awarded at New Orleans Exposition, 1885.

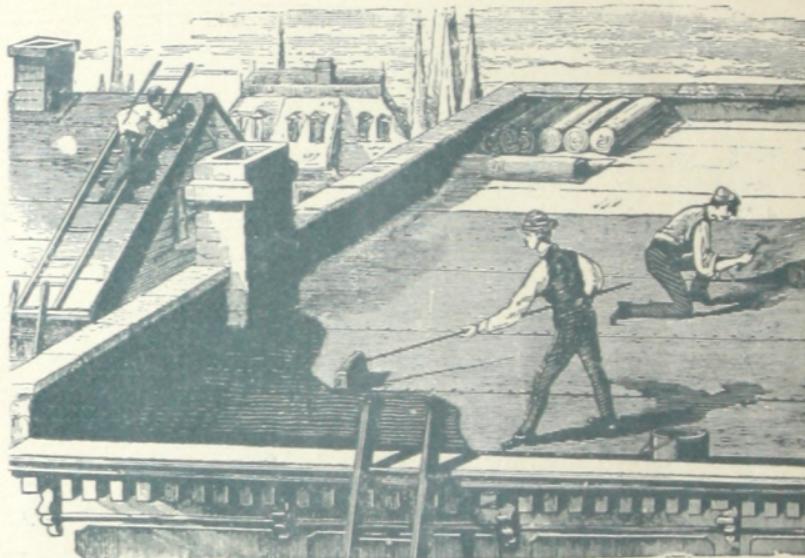


UR patent improved ASBESTOS ROOFING is *entirely different from any other material in use*, and consists of a *strong Canvas*, combined with a surface layer of *Felt*, and a *Manila Lining* or "*Backing*."

These materials are rendered water-proof and cemented together with intermediate layers of our patent *Acid and Water-proof Composition*, and the whole compressed into a compact, flexible sheet, resembling leather, forming the strongest and most substantial portable Roofing in use. This, when applied and finished, according to instructions, with our ASBESTOS ROOF COATING and white FIRE-PROOF COATING, forms a light, cool roof, which, although not claimed to be absolutely indestructible by fire, is proof against

burning sparks and cinders, and in every instance which has come to our knowledge has proven a *perfect protection* where buildings covered with it have been exposed to fire.

This Roofing is adapted for *steep* or *flat* roofs of Factories, Foundries, Warehouses, Railroad Buildings, Bridges, Car Roofs, Steamboat Decks,



etc. It is suitable *for all climates*, and has been used in all parts of this country and South America and Europe a sufficient length of time to warrant us in claiming it to be *the best and most economical substitute for tin*.

It can be easily applied without the aid of skilled labor, it being necessary only to fasten it

properly to the roof with our ROOFING NAILS, to make tight joints and laps, and to coat it thoroughly and evenly, which can be readily done by any intelligent workman, no heat or special tools being required.

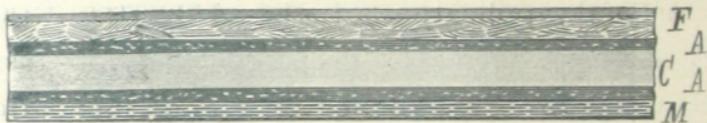
It is supplied ready for use in rolls  $38\frac{1}{2}$  inches wide, containing 200 sq. feet, and weighs with coatings complete, including packages, only about 85 lbs. to 100 square feet. It is packed in strong skeleton cases, and taken at the lowest (fourth class) freight rates by all railroads.

This Roofing can be easily repaired, if necessary, and kept in order *at a trifling expense* by an occasional application of the ASBESTOS ROOF COATINGS, which are prepared ready for use; and when properly applied to a good foundation of sheathing boards, and occasionally re-coated, forms a reliable and economical roof. In many instances it has proven more durable than tin—the roofs of Kingsford's Oswego Starch Factory, which were covered with our Roofing in 1861, are as good to-day as when first applied—and we can refer to thousands who have had our roofing in use from five to ten years.

*This Roofing is ten times stronger than any other Felt or Composition Roofing in use, and,*

owing to our extensive manufacturing facilities (we manufacture more than *two miles* per day), we can supply it at a price which renders it the most economical roofing in use for large buildings, etc., for which purposes it is exclusively designed.

As irresponsible parties have offered for sale inferior materials, representing them as Asbestos Roofing, particular attention is called to the following cut, showing, on an enlarged scale, the foundation of the *genuine* Asbestos Roofing; the actual thickness is about one-tenth of an inch.



*F*—Felt; *AA*—Layer of Water-proof Composition; *C*—Canvas;  
*M*—Manila Lining.

Samples, Descriptive Price List, and any further desired information will be promptly supplied.



## DOUBLE-THICK ROOFING FELT.

THIS article is intended for roofs of barns, stables, out-buildings, etc., and when coated with our ASBESTOS ROOF COATING, and sanded, forms an economical temporary roof.

It is put up in rolls 32 inches wide, of 100 and 200 square feet each, easily applied by nailing at edges with our Roofing Nails and TIN caps, and coating thoroughly with our Asbestos Root Coating, which is prepared ready for use.

## ROOFING BRUSHES.

Our Roofing Brushes are manufactured expressly for us, and are *the best brushes made for the purpose.* They should always be used for applying the Asbestos Roof Coating and Roof Paints.

## ROOFING NAILS.

Our *Barbed* ROOFING NAILS are made with extra large heads, and are superior to any others for the purpose. About  $1\frac{1}{2}$  lbs. are required for one square (100 square feet) of Asbestos Roofing.

H. W. JOHNS'

## ASBESTOS ROOF COATING.

**T**HIS Coating is manufactured expressly for finishing our ASBESTOS ROOFING, and is composed of finely ground ASBESTOS and *Silica*, combined with our patent *Acid and Water-proof Composition* and partially distilled coal tar. It is *prepared ready for use* of a proper consistency to be applied with a brush, and forms an inexpensive and durable water-proof coating for Felt and Canvas Roofs generally, and is also valuable for preserving wood and iron in contact with salt water and chemicals, and for underground wood and iron work, etc.

It is supplied in kegs and barrels, can be easily applied by any one, and costs only about one-quarter as much as ordinary paint.



H. W. JOHNS'

## ASBESTOS ROOF CEMENT,

FOR REPAIRING LEAKY ROOFS OF ALL KINDS.

**T**HIS CEMENT is prepared ready for use, and is composed of ground ASBESTOS combined with iron paint and our patent *Acid and Water-proof Composition*. It forms an elastic, adhesive compound of a proper consistency, to be easily applied with a trowel, and is intended for repairing leaks around chimneys, dormer windows, skylights, scuttles, etc., on all kinds of *Roofs*; also broken joints, nail and rust holes in *Tin Roofs*, etc.

*We guarantee it to stop all leaks to which it is properly applied*, and, in many instances, roofs which are seemingly worthless can be made serviceable for many years with this CEMENT in connection with our ASBESTOS ROOF COATING, or ASBESTOS ROOF PAINT, and if kept *ready for immediate use* in every house, damages to ceilings, furniture, etc., to the extent of hundreds of dollars, can be saved in case of leaks, which are liable to occur in roofs of all kinds. It can be easily applied by any one.

Tinners will find this CEMENT superior to solder for repairing Tin Roofs, etc. Loose or broken slates can be fastened with it.

It is made in two colors, *Brown* and *Black*, and is put up in 5 and 10 lb. cans, and 25 and 50 lb. pails; also in cases containing one dozen 10 pound cans, or two dozen 5 lb. cans, for the trade.

*Full instructions for repairing Leaks on all kinds of Roofs on every package.*

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## ASBESTOS BUILDING FELT.

 First Medal awarded, June 1st, by New Orleans Exposition for Building Felt.

 THIS article is composed entirely of Asbestos, and on account of its non-conducting and fire-proof qualities is largely used for lining weather boards, shingle roofs, floors, wood partitions, etc., in factories, dwellings, etc. It will not disintegrate by age, is odorless and vermin-proof. In rolls of about 70 lbs., 36 inches wide, weighing about 10 lbs. to 100 sq. feet. Also EXTRA HEAVY BUILDING FELT, about 16 lbs. to 100 sq. feet.

H. W. JOHNS' ASBESTOS  
FIRE & WATER-PROOF SHEATHING.

 "Medal of the First Class" awarded, June 1st, by New Orleans Exposition.

 THIS is one of our recent inventions, and is the only durable Fire and Water-proof material made from Asbestos. It is composed exclusively of pure Asbestos, rendered permanently water-proof by a recently discovered chemical process which gives it greater strength than any other Asbestos Sheathing or Felt *of twice its weight and thickness.*

Its value as a protection against fire and water for sheathing and lining under weather boards of wooden structures, Shingles, Slate, Floors, Partitions, Walls, Ceilings, etc., will be readily appreciated, and its cost is such as to bring it within the reach of every one. It is supplied, in rolls 36 inches wide, in two thicknesses, weighing 4 lbs. and  $7\frac{1}{2}$  lbs. to 100 square feet.

 For a List of other Asbestos Materials manufactured by us see last pages.

## TESTIMONIALS.

The following, among thousands of well-known manufacturers, and others have our Roofing in use.

M .....

Dec. 1, 1884.

*Dear Sir*—Your favor of the 28th ult. is received \* \* \* We have used H. W. Johns' Asbestos Roofing for nearly twenty-five years, and now have acres of it in use. We like it the best for flat roofs of anything we have ever used.

Respectfully yours, T. KINGSFORD & SON.

BURLINGTON, Iowa, Sept. 12, 1883.

*Gentlemen*—It has been about twelve years since we put on the first lot of your Roofing, and it is in good condition yet. We have tried various other things at different times for roofs of small pitch, but found yours more satisfactory, on the whole, than any of them, and have covered a large part of our new foundry with it.

Yours, &c., MURRAY IRON WORKS CO.

SINGER MANUFACTURING CO.,

M ....., SOUTH BEND, Ind., Feb. 15, 1886.

*Dear Sir*—I have used several thousand squares of H. W. Johns' "Asbestos" Roofing on several kinds of Factories, Foundries, Dry Kilns, Sheds, &c., and prefer it to any other roof I know of.

This Roofing has been on our dry kiln here since 1880, subject to very severe usage, that would ruin any other Roofing in a few months, but the "Asbestos" Roofing is a good roof yet, and will last longer than the rafters.

Have used this Roofing since 1874 and know it to be as good as the makers represent it to be.

Yours truly, LEIGHTON PINE, *Supt.*

COLUMBUS, O., Feb. 4, 1886.

*Dear Sirs*—Since adopting the Asbestos Roofing we have been adding to our roof area, until now we have in use something like 130 squares (13,000 ft.). Some of our roofs are very flat, and have been used to work upon; one in particular, covered with this Roofing, is a regular thoroughfare, subject to continual walking over, without sign of injury. In short, we consider it as possessing advantages over other materials used for similar purposes.

Yours truly,  
PETERS DASH CO. (*Buggies and Dashes.*)

J. LIET, Ill., PENITENTIARY, Jan. 13, 1887.

*Gentlemen*—In reply to your communication of recent date, making inquiry respecting the H. W. Johns' Asbestos Roofing purchased from you, permit me to say that we have had the roofing in use for the past two years, and thus far we observe no defects of any kind.

I particularly note that the roofing applied to our Wire Shop, where it is subjected to the action of the acids used in galvanizing, appears to be as perfect as when first applied.

We are continuing to use the roofing wherever renewals are required; instead of slate.

Very respectfully yours,  
JAMES MILLAR, *Chief Engineer.*

ROCK CITY FALLS, N. Y., May 24, 1882.

*Gentlemen*—In reply to yours of the 20th inst., about H. W. Johns' Asbestos Roofing, we consider it the *most durable, economical*, and, at the same time, *fire-proof* ROOFING we have ever used, having had an opportunity two years since of testing its fire-proof qualities on a portion of our mill where the roofing had been on some three years, confining the fire to the immediate vicinity of the ventilator over the rotary engine, were it originated. Since then we have reconstructed the main portion of the mill and covered it with the Asbestos Roofing *in preference to all others.*

Yours truly, CHAUNCEY KILMER & SON,  
*Paper Manufacturers.*

WHEELING, West Va., Nov. 11, 1886.

*Gentlemen*—We take pleasure in adding our approval to that of the numerous other users of your Paints and Roofings. We have used your Roofing on our river boats constantly for the past ten years, and have yet to find any which did not give perfect and superior satisfaction. This season we have used your Paints exclusively for inside and outside work on five boats.

Very respectfully, A. J. SWEENEY & SON,  
*Steamboat Builders.*

Office of JAMES REES & SONS, Builders of Iron,  
Steel and Wooden Steamboats,

PITTSBURGH, Pa., March 30, 1887.

*Gentlemen*—Answering your inquiry as to our experience in the use of your Roofing for Steamboats, we wish to say that we have used it on several boats in this country, and also on those we have shipped to and erected in foreign countries, and it has always been very satisfactory; and we believe it is the best material we have ever seen or tried for a steamboat roof.

Very truly, JAS. REES & SONS.

GULLETT COTTON-GIN MANUFACTURING CO., AMITE CITY, La.

Dear Sirs—In response to your inquiry regarding the Asbestos Roofing, it affords me pleasure to state that, as far as I have tried it, I find nothing more satisfactory. It makes a perfectly tight roof and is more economical than the shingle roof. During the fire here on the 11th of October last, by which our store and offices, covered with common pine shingles, were destroyed, I am convinced that our being able to save the factory is entirely attributable to our having it covered with your Asbestos Roofing, the factory being distant not more than forty feet from the store. We have at present on various buildings 132 squares of the Asbestos. Very respectfully, B. D. GULLETT. President.

OSWEGO MALT HOUSE,

OSWEGO, N. Y., Feb. 25, 1880.

Dear Sirs—Yours of the 23d received. In 1876 I replaced an Iron roof with one of Asbestos on my large malt house, and the latter has given unbounded satisfaction. The factory next to me burned to the ground two years ago, and had it not been for my Asbestos roof, I should certainly have lost my malt house. My roof was covered with burning brands for hours, and they never so much as caused a leak.

Very truly yours,

CHAS. W. PARDEE.

GEORGIA CHEMICAL WORKS, AUGUSTA, Ga., Nov. 9, 1881.

Dear Sirs—We have used your Asbestos Roofing on our building for six years, and find it to-day apparently good for as many years more. On the roof of our Burner Room the Roofing has been constantly subjected to the fumes of burning sulphur. Tin subjected to the same usage became worthless in less than a month. Yours truly, C. B. F. LOWE, *Supt. and Chemist.*

MARSHALLTOWN GAS LIGHT CO.,

MARSHALLTOWN, Iowa, Feb. 8, 1882.

Dear Sirs—\* \* \* \* \* We have your Asbestos Roofing in use, and it is just the thing for Gas Houses.

Yours respectfully, R. W. CARPENTER, *Supt.*

OFFICE OF PASSAIC ZINC WORKS,

113 LIBERTY ST., NEW YORK, April 5, 1875.

Dear Sirs—We have had your Asbestos Roofing in use at our Zinc Works some four or five years, and prefer it to either tin, slate, or any other kind of covering for roofs.

Yours respectfully, MANNING & SQUIRE, *Agents.*

MARINETTE & MENOMINEE PAPER CO.,

MARINETTE, Wis., June 16, 1883.

*Dear Sirs*—Please send us by first freight fifty-two squares of your Asbestos Roofing with Coatings, Nails and Brushes complete. One of our buildings that we put your Roofing on burned a few days ago, and the Roofing on that and the other buildings worked so well that we want more just like it. Please ship immediately.

Yours respectfully,

MARINETTE & MENOMINEE PAPER CO.

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GAUTIER STEEL DEPARTMENT OF CAMBRIA IRON CO.,

JOHNSTOWN, Pa., June 22, 1883.

*Dear Sirs*—We have some of your Roofing in use, and it gives good satisfaction. Yours truly, LEWIS WILLIAMS, M. M.

(THE CAMBRIA IRON CO. used over 100,000 square feet of Asbestos Roofing in 1886.)

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OFFICE OF SOUTH BEND CHILLED PLOW CO.,

SOUTH BEND, Ind., March 1, 1887.

*Gentlemen*—We have in use over fifty thousand square feet of your Asbestos Roofing. Some of it has been on eight years. In fact, the largest part of our Mammoth Plow Works is covered with it, and we shall want more.

Very respectfully, J. C. KNOBLOCK, President.

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OFFICE OF THE SOLAR STOVE WORKS,

JOLIET, Ill., July 10, 1885.

*Gentlemen*—Replying to your inquiry as to our opinion of the H. W. Johns' Asbestos Roofing, we regard it superior to anything we have ever used for the purpose. This includes Tar and Gravel, Tin, and Iron. We first used Asbestos on a small roof two years ago. Last year we covered two roofs with it and expect to cover another this season. The first roof we covered is now perfectly tight, although it is very flat and in spots baggy, so that the water stands in pools after every rain. We regard this as an excellent test.

Very truly,

W. N. MOORE, *Supt.*

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GEM CITY STOVE WORKS,

QUINCY, Ill., April 29, 1885.

*Gentlemen*—This is to certify that the Asbestos Roofing, covering our Works, over one hundred squares, is giving us entire satisfaction. Respectfully yours, WM. W. EWERS, *Sec'y.*

OFFICE OF THE JOLIET BARB WIRE CO.,

JOLIET, Ill., July 10, 1885.

*Gentlemen* Our roof has now been on one year, and is perfect in every respect. We prefer it to any other roofing material we have ever used. It is fire-proof and as firm as a rock. The changes of climate do not affect it in the least. We feel sure it is a perfect success. Very truly yours, H. B. SCUTT, *Pres.*

DOMINGO ELECTRIC CO.,

DOMINGO CITY, SANTA DOMINGO, West Indies,

July 23, 1885.

*Gentlemen*—In this country heavy brick tiling has been the one roofing idea for nearly four hundred years. Corrugated iron has been used somewhat of late, giving indifferent satisfaction, but our four buildings and two balconies covered with Asbestos simply astonishes the natives—the oldest inhabitant included. It is so easily applied, so neat, so light, so perfect that it must of necessity become the roof of the future for tropical climes. We are more than pleased.

Yours, &c., PRESTON C. NASON, *Gen'l Manager.*

GEM CITY TOBACCO WORKS,

QUINCY, Ill., April 25, 1885.

*Gentlemen*—In 1873 we placed 200 squares of your Asbestos Roofing on our factory, which was in use eight years, after which, being coated with another preparation, it was injured to that extent by that preparation, we removed it. We shall recover our roof with your Asbestos Roofing, believing it to be superior to the one now in use.

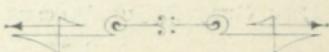
Yours truly,

M. GOODMAN, *Sec'y.*

OTTAWA, Ill., May 7, 1884.

*Dear Sirs*—We have had Asbestos Roofing on three of our buildings—one of them about three years—and from what we have seen of it like it well, and as an evidence of our faith in it we are now about to put it on another room 40 feet square.

Yours truly,  
KING & HAMILTON (*Agricultural Implements*).



## STEAM PACKINGS, ETC.

**Asbestos Piston-Rod Packing.**—The most compact and durable Packing ever produced for locomotives, marine and other engines, valve stems, etc.

**Asbestos Wick Packing.**—For small steam and other valve stems, pumps, etc. Acid and fire-proof.

**Asbestos Mill-Board, or Flat-Packing.**—Strictly fire and acid-proof; an economical and durable Packing for flange joints, steam pumps, cylinder heads, man-hole plates of steam boilers, oil stills, etc.; also for fire screens, partitions, linings under grates, etc. Can be removed and replaced without loss.

**Asbestos Gaskets, Rings and Washers.**—Cut to order from our Asbestos Mill-Board—weight less than one-half as much as India Rubber Gaskets.

**Vulcabeston**, composed of Asbestos and other materials, combined with India rubber, and vulcanized. VULCABESTON is valuable for purposes where permanent resistance to heat and immunity from injury by acids, gases, etc., are of importance. At present we are prepared to supply *Soft*, *Medium*, and *Hard* SHEET PACKING, all thicknesses, in sheets 24x30 inches, MOULDED PISTON-ROD PACKING, MOULDED PISTON PACKING, GASKETS, RING FLANGE PACKINGS, WASHERS, ETC.

**Vulcanized Asbestos Piston-Rod Packing**, an improvement upon our Pure Asbestos Packings, and superior to all others for piston rods, valve stems, pump valves, etc., where high pressure steam, hot water, oils, acids, ammonia, etc., are used, and for locomotives, stationary, and marine engines. In consequence of its wonderful strength and durability it can be used wherever metallic packings have been heretofore necessary. It is self-lubricating to a great extent, and will not shrink or blow out. Round and square, all sizes, from  $\frac{1}{8}$  inch to 2 inches in diameter.

## STEAM PIPE AND BOILER COVERINGS.

(SEND FOR SPECIAL PAMPHLET.)

**Asbestos Cement Felting**, the most effective and durable Non-conducting Cement Covering for Steam Pipes, Boilers, Stills, and other steam-heated surfaces. It can be easily applied by any one.

**Asbestos Locomotive Lagging.**—A felt-like material about half an inch thick, of great non-conducting power; fire and acid-proof and imperishable; the only substantial non-conducting Covering for Boilers and Pipes on steamships, which is *absolutely* fire-proof.

**Asbestos Lining Felt.**—A strictly fire-proof non-conducting lining for Hair Felt, protecting it from the injurious effect of heat when applied to Steam Pipes, Boilers, etc.

## H. W. JOHNS' "ASBESTOS" LIQUID PAINTS.

*Strictly First-Class Paints*, prepared ready for use, unequalled in richness and permanency of color. The great difference in their *covering properties*, in comparison with ordinary paint, is at once recognized, and the universal testimony is that from fifteen to twenty-five per cent. of the usual cost of painting can be saved by their use. We offer them as THE MOST DURABLE AND ECONOMICAL PAINTS EVER PRODUCED FOR GENERAL STRUCTURAL PURPOSES.

*For Full Description see Sample Sheets.*

**H. W. Johns' "Asbestos" Roof & Railway Paints.**—Prepared ready for use, for preserving TIN AND OTHER ROOFS, and for painting Railroad Buildings, Bridges, Freight Cars, Steamboat Decks, Boats, Out-Buildings, Fences, Gas Holders, and other iron or rough woodwork. *See Sample Sheets.*

**H. W. Johns' Liquid Priming**, for first or priming coat on brick or woodwork. Suitable for use with any shade of our Liquid Paint.

**H. W. Johns' Liquid Dryer.**—Warranted superior to any in the market in siccative qualities, lightness of color and uniformity. It possesses double the strength of any other Liquid Dryer, and is suitable for all linsced-oil Paints.

**H. W. Johns' Fine Colors in Oil, Varnishes, Wood Filler, etc.**

**Asbestos Fire-Proof Paints.**—Prepared ready for use for protection against fire of interior rough wood-work of Factories, Boiler-Rooms, Cotton-Gin Houses, Railroad Bridges, etc.

## ASBESTOS PLASTIC STOVE-LINING.

Prepared ready for use, applied with a trowel, forming a durable and economical substitute for fire-brick in stoves and ranges, Hot-Air and Boiler Furnaces, etc.

**Asbestos Stove and Furnace Cement**, for setting up furnaces, stoves, etc., and for repairing joints, etc., in same.

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**H. W. Johns Manufacturing Co.,**

SOLE MANUFACTURERS,

87 MAIDEN LANE, NEW YORK.

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CHICAGO, 175 RANDOLPH STREET.

PHILADELPHIA, 170 & 172 NORTH 4<sup>TH</sup> ST.

LONDON, BILLITER HOUSE, BILLITER STREET.

